

THE EVALUATION OF GRAPHS DRAWN FOR $PxV - V$, $PxV - P$, $PxV - 1/V$ BY UNIVERSITY STUDENTS

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Abstract

The subject of gases is a matter which is encountered by the students both in high school and university level. This subject shows difficultness since it involves theoretical knowledge, the skill of drawing graphs and commenting on them as well as mathematical abilities. By moving from that idea, in this study it has been aimed to determine the ability of university first year students commenting on $PxV - V$, $PxV - P$, $PxV - 1/V$ graphs and finding out how this ability changes after the instruction of the subject. The study has been carried out with 30 students and it was in the form of weak experimental design. Data has been gathered with the help of a test which involved three different graphs prepared by the researchers. Data has been analyzed in terms of quantitative methods. The findings have been discussed by relating to the literature.

Keywords: Chemistry education, university students, gases.